(2) Parnassius smintheus, Doubleday and Hewitson, Plate XXXIX, Fig. 3, $; Fig. 4, $; var. behri, Edwards, Fig. i, $; Fig. 2, $; var. hermodur, Henry Edwards, Fig. 6, ? ; *mate of hermodur*, Fig. 5, $ (Smintheus).

Butterfly.— This very beautiful insect is greatly subject to variation, and the plate shows a few of the more striking forms, of which the dark female, named *hermodur* by the late Henry Edwards, is one of the most beautiful. Expanse, $> 2.00-2.50 inches; $, 2.25-3.00 inches.

Smintheus is found at proper elevations upon the mountains from Colorado to California, and from New Mexico to Montana. The life-history is most exquisitely delineated by Edwards in "The Butterflies of North America," vol. iii.

The caterpillar feeds on *Sedum* and *Saxifraga*.

Genus PAPILIO, Linnaeus
(The Swallowtails)

> "The butterfly the andent Grecians made
> The soul's fair emblem, and its only name —
> But of the soul, escaped the slavish trade
> Of mortal life! For in this earthly frame
> Ours is the reptile's lot — much toil, much blame,—
> Manifold motions making little speed,
> And to deform and kill the things whereon we feed."
>
> COLERIDGE.

Butterfly.—Generally large, frequently with the hind wings tailed. A figure of the neuration characteristic of this genus is given on p. 20, Fig. 38. From this it will be seen that the internal vein of the hind wing is lacking, the submedian vein occupying the space which is commonly occupied by the internal vein. The median vein of the fore wing is connected with the submedian by a short vein, from the point of union of which with the submedian there proceeds a short internal vein in this wing. There is great diversity of form in the wings of this genus, some species even mimicking the species of the *Euplœinæ* and *Heliconiidæ* very closely, and being entirely without tails. In all cases, however, in spite of obvious diversities in color

and in form, there is substantial anatomical agreement in the structure or the wings; and the caterpillars and chrysalids reveal very strongly